

Record of Line-item Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [Japan](#)

Global Technical Committee: [Silicon Wafer](#)

TC Chapter Co-chairs: [Naoyuki Kawai/University of Tokyo](#), [Tetsuya Nakai/SUMCO](#)

Standards Staff: [Junko Collins](#)

| | Scheduled in Background Statement | Actual |
|--|--|--|
| Date | 12/15/2016 | 12/15/2016 |
| Location | Conference Tower, Tokyo Big Sight, Tokyo | Conference Tower, Tokyo Big Sight, Tokyo |
| Reason for Change of Date and/or Location (if changed) | | |

Note: See *Regulations* ¶ 9.5 Exception for allowable reason to change.

[Document Information](#)

I. Document Number, Title, Lists of Line Items

| | |
|--|---|
| Document Number 6043 | Document Title LINE ITEM REVISION OF SEMI MF28-0707 (Reapproved 0912) TEST METHOD FOR MINORITY CARRIER LIFETIME IN BULK GERMANIUM AND SILICON BY MEASUREMENT OF PHOTOCONDUCTIVITY DECAY |
| List of Line Items | Line Item 1 Correct title and concomitant text |
| | Line Item 2 XXXXX |
| | Line Item 3 XXXXX |
| | Line Item 4 XXXXX |
| | Line Item 5 XXXXX |
| | Line Item 6 XXXXX |

Line Item 1 Adjudication

II. Tally

Standards staff to fill in.

Voting Tally: As-cast tally after close of voting period

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally (with example values):

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|---------------------------|---|-------------|------|
| Letter Ballot | 57 | ÷ | 95 | = | 60.0% | ≥60% |
| Intercommittee Ballot | 24 | | | | | |
| Voting Interest Reject(s) | 0 | | Total Voters with Rejects | | 0 | |
| Voting Interest Accept(s) | 39 | | | | | |
| | | | | | | |
| | | | | | | |

Note: See Regulations § 3.2.1 for definition of Voting Interest.

III. Rejects: None

IV. Other Technical Issues: None

Note: TC Chapter may choose to address a technical issue that is not part of a Negative received on a Letter Ballot (i.e., a Comment or a reason not addressed by a Vote response) by handling it as a Negative and finding it related and technically persuasive. The TC Chapter may then fail the Document or address such technical issue by using the procedure defined in Regulations § 9.6.4.3 to make a technical change to the Document. (Regulations ¶ 9.6.2.4.5)

V. Comments

V- (i) Voters' Comments

Commenter 1 (Supika Mashiro / Tokyo Electron Ltd.) - Comment 1

| | | |
|--|--|--|
| Comment | *TF/TC Chapter to fill in, if necessary. | |
| | Change "This Test Method" to "Test methods covered in this Standard", and adjust pronouns referring to the subject of the sentence and verb form as appropriate e.g., "1.2 Test methods covered in this Standard are suitable for...; they are... Or Change "Test Method" to "Standard" and "performed" to "applied" (1.2,2.1,2.2) | |
| Action | <p>The TC Chapter agreed to do one of the following actions.</p> <p>Note: These ballots were line item ballots for Title Correction. We should pass these ballots. And, Voter's comments should be discussed in the next Test Methods Task Force meeting, in NA, Japan or Europe, and the changes to the documents should be made upon recommendations of the Task Force.</p> | |
| | *No motion is required in this step. | |
| | <input type="checkbox"/> | Already addressed by Commenter #, Comment # |
| | <input type="checkbox"/> | No further action was taken by the TC Chapter. |
| | <input checked="" type="checkbox"/> | Refer to the TF for more consideration. |
| | <input type="checkbox"/> | New Business |
| <input type="checkbox"/> | Editorial Change | |
| Options for Editorial Change (check one) | <input type="checkbox"/> | Case 1: No vote in this section : To be included and voted on in § VI. Summary of Editorial Changes. |
| | <input type="checkbox"/> | Case 2: Voted in this section : Original section number and at least one full sentence are required in "FROM" and "TO" fields. |
| | <input type="checkbox"/> | |
| | <input type="checkbox"/> | |
| Editorial Change | 1 | FROM: Section/Paragraph xxx |
| | | TO: Section/Paragraph xxx |
| | | Justification (If necessary) |
| | 2 | FROM: Section/Paragraph xxx |
| | | TO: Section/Paragraph xxx |
| | | Justification (If necessary) |
| Motion | To approve above editorial change(s) | |
| Motion by/2nd by | Name (Company)/Name (Company) | |
| Discussion | XXXX | |
| Vote | XX-XX; Motion passed/failed. | |

V-(ii) Comments Created by Handling Negative: None

VI. Editorial Changes Other than Those Voted on in § V: None

Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations* ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.7.1.3)

Note: If both approval conditions are not satisfied, the Document fails.

| | | | | | | | | | |
|---------------|---|---------|---|------------------------------|---|--------|--|------|--|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 39 | / | 39 | = | 100.0% | | ≥90% | |
| | | | | | | | | | |
| | | | | | | | | | |

VII. – (ii) Approval Level (check one)

Note: See *Regulations* § 9.7.2 for further information.

Globally Approved (No Ratification Ballot needed):

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 15 of the *Regulations* for further information.

| | | |
|------------------------------------|----------|--|
| Motion | X | This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1) |
| | | This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2) |
| | | Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2) |
| Motion by/2nd by | | Ryuji Takeda (GWJ)/ Tsuyoshi Ohtsuki (SEH) |
| Discussion | | None |
| Vote | | 9 Y-0N; Motion passed |

IX. Intellectual Property (IP) Check

Note: This IP check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 16 of the *Regulations* for further information.

| | | |
|--|---|---|
| The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations</i> ¶ 8.8.1) | | |
| X | No potentially material patented technology or reproduction of copyrighted items is known. | GO TO SECTION X. |
| | Potentially material patented technology or reproduction of copyrighted items is known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter. | GO TO SECTION X. |
| | Potentially material patented technology or reproduction of copyrighted items is known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter. | |
| Motion | | Ask ISC for special permission to publish. |
| | | Quit activity. |
| | | Wait for LOA for patented technology or release of copyrighted items. |
| Motion by/2nd by | | Name (Company)/Name (Company) |
| Discussion | | XXXX |
| Vote | | XX Y-XX N |
| Final Action | | Motion passed |
| | | Motion failed |

* Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this Letter Ballot.

X. Action for This Document

| | | |
|--|---|--|
| Motion applicable items) (Check all applicable items) | <input checked="" type="checkbox"/> | Line item(s) 1 passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued. |
| Motion by/ 2nd by | Ryuji Takeda (GWJ) / Tsuyoshi Ohtsuki (SEH) | |
| Discussion | None | |
| Vote | 9 Y-0 N | |
| Final Action | <input checked="" type="checkbox"/> | Motion passed |
| | <input type="checkbox"/> | Motion failed |

Standards staff to record the result of the A&R procedural review here:

| | | |
|----------------|--------------------------|--|
| A&R | <input type="checkbox"/> | Line item(s) [X], [X] and [X] are Approved for publication |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] are Approved pending acceptance of the Ratification Ballot |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] are Not approved |
| | Reason: | |